

Web of Science

Search

Search Results

My Tools ▾

Search History

Marked List

 Look Up Full Text


Save to EndNote online ▾

Add to Marked List

1 of 1

EFFECTS OF INTERACTIVE DIGITAL MEDIA ON ARCHITECTURAL HERITAGE LEARNING

By: [Abubakar, JA](#) (Abubakar, Juliana A.)^[1]; [Jahnkassim, PS](#) (Jahnkassim, Puteri Shireen)^[2]; [Mahmud, M](#) (Mahmud, Murni)^[3]

JURNAL TEKNOLOGI

Volume: 78 Issue: 2-2 Pages: 41-+

Published: 2016

Abstract

This study attempts to determine the effects of three modes of digital media (virtual reality, video, and Web) on architectural heritage learning. It also aims to determine the demographics' effects of museum visitors on learning using interactive digital media. The content of these media focuses on historical and architectural information of a cultural heritage monument at a UNESCO World Heritage Site. This study has employed quasi-experimental method with the use of designated tasks and retention test in real-world setting. It is found that there is a significant difference among these digital media on retention score. Further analysis reveals that virtual reality provides the lowest retention score and contributes to this significant difference when compared to video. There is no significant difference between gender and retention score. However, there is a significant difference among age and retention score. This study contributes towards empirical evidence on the significant use of interactive digital media on architectural heritage learning and provides insights about demographic effects of interactive digital media on architectural heritage learning.

Keywords

Author Keywords: [Digital media](#); [architectural heritage learning](#); [virtual reality](#); [video](#); [Web](#)

Author Information

Reprint Address: Abubakar, JA (reprint author)

+ Univ Utara Malaysia, Coll Arts & Sci, Sch Multimedia Technol & Commun, Kedah, Malaysia.

Addresses:

+ [1] Univ Utara Malaysia, Coll Arts & Sci, Sch Multimedia Technol & Commun, Kedah, Malaysia

+ [2] Int Islamic Univ Malaysia, Kulliyyah Architecture & Environm Design, Kuala Lumpur, Selangor, Malaysia

+ [3] Int Islamic Univ Malaysia, Kulliyyah Informat Commun Technol, Kuala Lumpur, Selangor, Malaysia

E-mail Addresses: liana@uum.edu.my

Publisher

PENERBIT UTM PRESS, PENERBIT UTM PRESS, SKUDAI, JOHOR, 81310, MALAYSIA

Categories / Classification

Research Areas: Engineering

Web of Science Categories: Engineering, Multidisciplinary

Document Information

Document Type: Article

Citation Network

0 Times Cited

[28 Cited References](#)

[View Related Records](#)



Create Citation Alert

(data from Web of Science Core Collection)

All Times Cited Counts

0 in All Databases

0 in Web of Science Core Collection

0 in BIOSIS Citation Index

0 in Chinese Science Citation Database

0 in Data Citation Index

0 in Russian Science Citation Index

0 in SciELO Citation Index

Usage Count

Last 180 Days: 0

Since 2013: 1

[Learn more](#)

This record is from:

Web of Science Core Collection
- Emerging Sources Citation Index

Suggest a correction

If you would like to improve the quality of the data in this record, please [suggest a correction](#).

Language: English
Accession Number: WOS:000385343000007
ISSN: 0127-9696
eISSN: 2180-3722

Other Information

IDS Number: DY7XQ
Cited References in Web of Science Core Collection: 28
Times Cited in Web of Science Core Collection: 0

